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(71) Applicant (for all designated States except US):  
**CHANGJO ENGINEERING CO., LTD.** [KR/KR];  
Yo-ri 122, Hyangnam-myun, Hwaseong-si, Kyunggi-do  
445-972 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KIM, Kyung Soo**  
[KR/KR]; No. 315-903, Jugong Apartment 3, Busan-dong,  
Osan-si, Kyunggi-do 447-050 (KR). **CHO, Jung Hee**

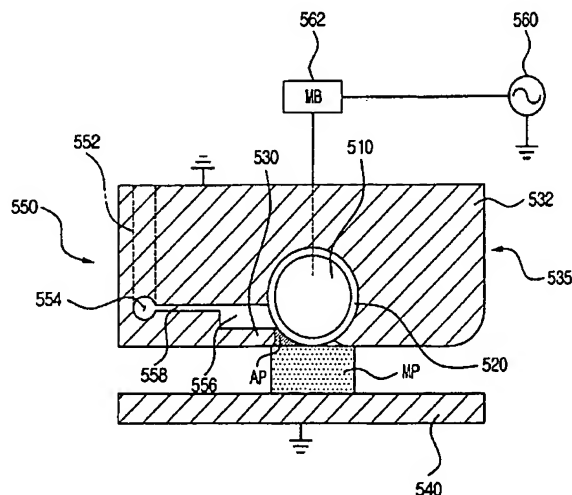
[KR/KR]; No. 701-503, Shinjeongmaeul Apartment  
7, 1060, Pungdeokcheon-dong, Yongin-si, Kyunggi-do  
449-170 (KR). **KIM, Jong Pil** [KR/KR]; 840-19,  
Maetan-4-dong, Yeongtong-gu, Suwon-si, Kyunggi-do  
443-374 (KR). **KANG, Bang Kwon** [KR/KR]; No.  
403, Woncheon-dong 29-19, Yeongtong-gu, Suwon-si,  
Kyunggi-do 443-380 (KR). **KIM, Jeong Woo** [KR/KR];  
No. 108-902, Daewon Apartment, Won-dong, Osan-si,  
Kyunggi-do 447-060 (KR). **JIN, Kyung Bok** [KR/KR];  
No. 204-1031, Dongsuwon LG Apartment, Mangpo-dong,  
Yeongtong-gu, Suwon-si, Kyunggi-do 443-400 (KR).  
**LEE, Woo Young** [KR/KR]; No. 205-2304, Dongsuwon  
LG Apartment, Mangpo-dong, Yeongtong-gu, Suwon-si,  
Kyunggi-do 443-400 (KR).

(74) Agent: **JUNG, Tae Young**; Muhann Patent & Law Firm,  
5th Fl., Youngpoong Building 142, Nonhyun-dong, Kang-  
nam-gu, Seoul 135-749 (KR).

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(54) Title: APPARATUS OF GENERATING GLOW PLASMA ON A WIDE SURFACE UNDER ATMOSPHERIC PRESSURE



(57) Abstract: A plasma generation apparatus includes a cylindrical power electrode, a dielectric layer cover the circumference of the power electrode, an auxiliary plasma (AP) earth electrode, a gas flow portion for providing a reaction gas, and a power controller controlling RF power supplied to the power electrode, and auxiliary plasma is maintained between the power electrode and the AP earth electrode while the apparatus operates. The apparatus can generate plasma at low temperature under atmospheric pressure and provide stable plasma using auxiliary plasma. Particularly, even if highfrequency power whose power supply is not stable is used, auxiliary plasma functions as stable plasma source, thereby generating glow plasma uniformly applied to wide area.

WO 2005/074333 A1



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